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Global Development Assistance

Climate Adaptation and Finance



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→ THE EUROPEAN SPACE AGENCY

Goal of the GDA Climate Adaptation and Finance activity:

Collaborate with the **climate funds and their implementing agencies** on the integration of EO technologies both at **strategic and project levels** to tackle **climate adaptation** challenges

Two-layered ecosystem

Climate Funds



Implementing agencies



Two-layered ecosystem

Climate
Funds



Implementing
Agencies

Strategic engagement and advocacy

- Support the design and implementation of an **EO mainstreaming strategy** within the FIFs
- **Raise awareness** within FIFs and their implementing agencies through the organization of workshops, webinars and knowledge events
- Develop **tailored training material to feed training activities** at the level of implementing agencies and their beneficiaries

Project level fit-for-purpose support

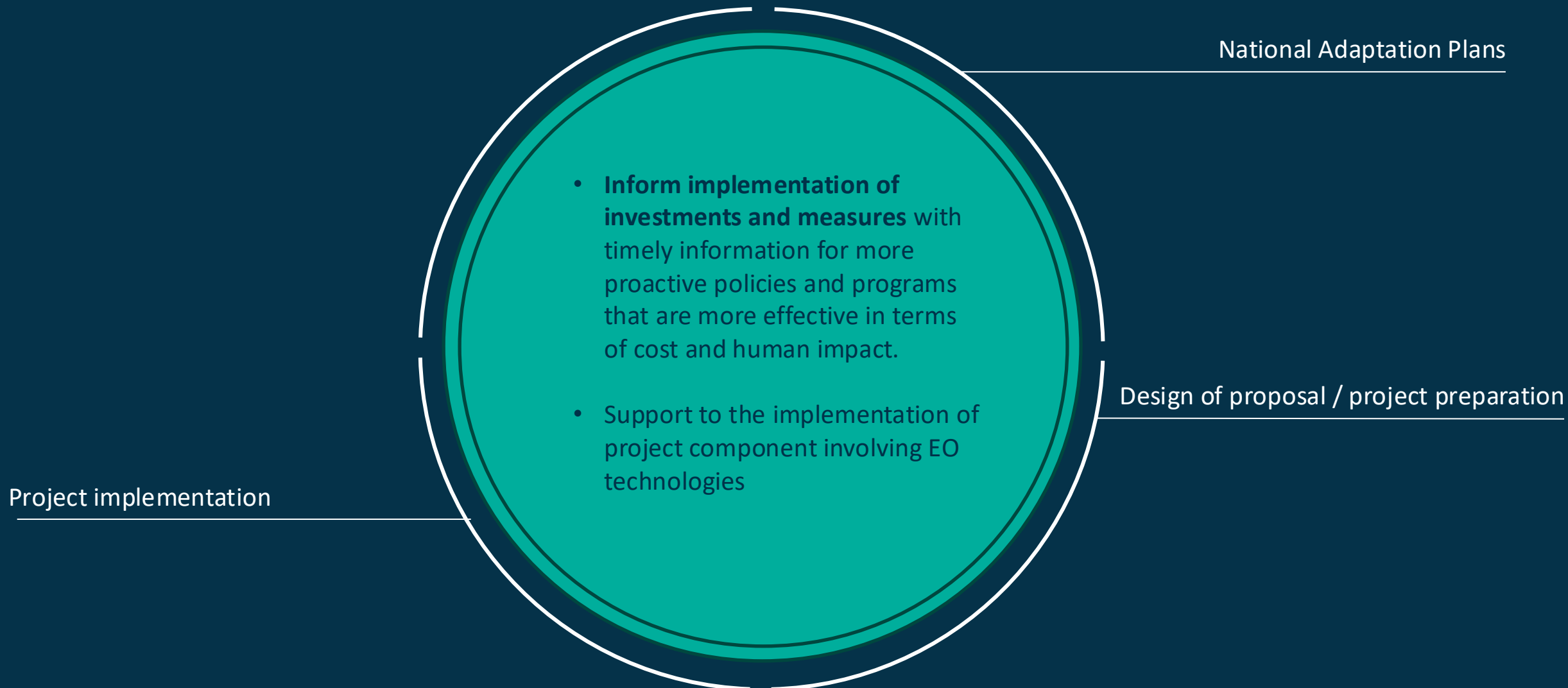
- Identify concrete opportunities for uptake of EO services within **project proposals and investments plans** elaborated by the implementing agencies
- Develop tailored **fit-for-purpose EO products** and services to support projects with high potential for uptake (seeking complementarity / alignment)
- Define **clear path for sustainable adoption** and uptake of those services taking into account capabilities of the counterparts and potential challenges

- Provides independent information to **identify and quantify the current state and trends in climate risks** to different systems or sectors.
- **Consistent and broad spatial coverage** of the Earth's systems and resources, including locations that may have been rendered inaccessible.

National Adaptation Plans

- Provide a scientific justification for **proposed climate action investments, plans and policies**, including climate scenarios and prioritization of adaptation measures.
- **Formulation and design of project** component involving EO technologies.

Design of proposal / project preparation







Advisory to Climate Funds



ESA raises awareness of how EO can strengthen Climate Fund project rationale, monitoring, and implementation, working through the events, guidance, and networks partners already use.

● Convening the Funds

Representing GDA CA&F in webinars and partner exchanges to build awareness and uptake of EO for climate adaptation and finance.

Examples:

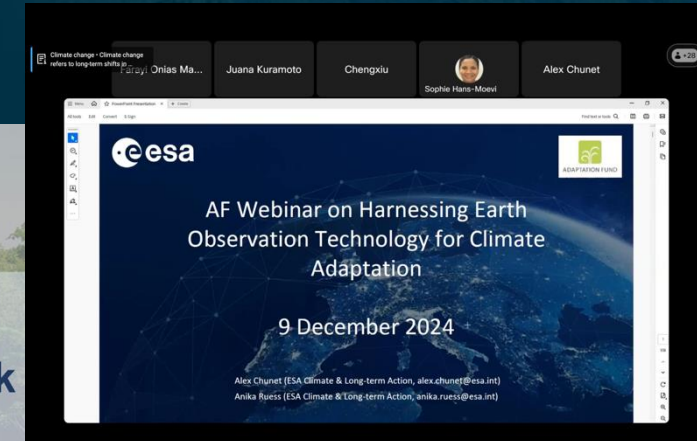
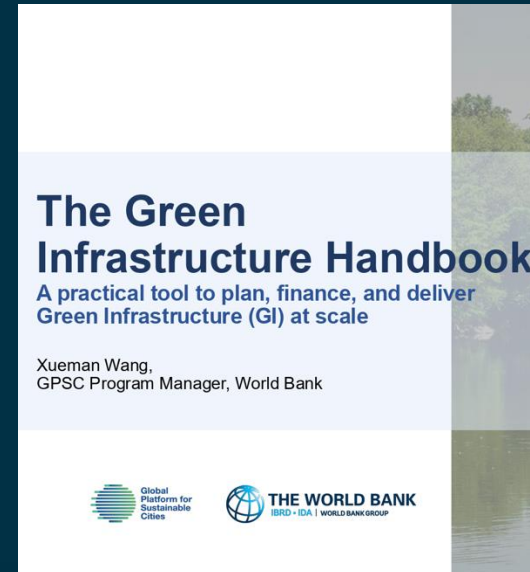
- *Webinars with the Green Climate Fund and the Adaptation Fund*
- *Hosting the Global Platform for Sustainable Cities Urban Nature Network.*

● Turning EO into usable guidance

Creating practical guidance for climate-fund and implementing-entity teams, including process, minimum datasets and concrete steps.

Examples:

- *Guidance note on EO for programme M&E for Green Environment Facility (GEF-8) Food Systems Integrated Program (FAO & IFAD).*
- *World Bank Green Infrastructure Handbook: Embedding EO in guidance on urban green and nature-based infrastructure.*



Integration of EO in proposals

ESA helps partners make EO proposal-ready by integrating it into the systems, templates, and decision processes that Climate Funds and project teams already use.

● Embedding EO into proposal development

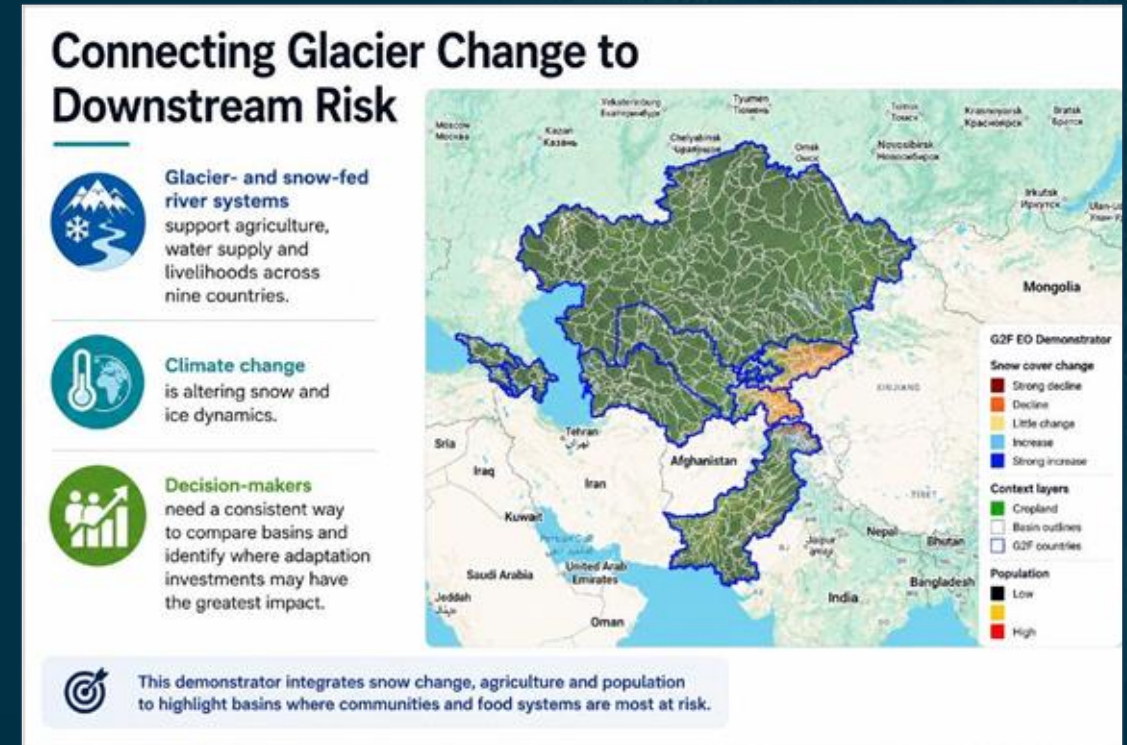
ESA helps partners identify where EO can strengthen the climate rationale, baseline, risk analysis, indicators, and M&E approach.

Example: With Central American Bank for Economic Integration (CABEI), ESA is exploring how EO can be integrated into proposal design for climate adaptation investments (Green Climate Fund).

● Turning EO into investment-prioritisation evidence

ESA supports partners to use EO and geospatial analysis to compare locations and identify where adaptation investment is most urgent.

Example: Example: In Glaciers 2 Farms, snow-cover change, agriculture, and population exposure are combined to rank glacier-fed basins across 9 countries where adaptation investment is most urgent (Green Climate Fund).



Demonstration of EO products for implementation



ESA works with active Climate Fund-supported projects to co-design EO products that respond to real implementation, monitoring, and reporting needs.

- **Starting from the project's needs**

ESA begins by understanding what the project team is trying to monitor, manage, or report on, then identifies where EO can add practical value.

- **Co-designing usable EO products with the implementing partner**

ESA works iteratively with partners so EO outputs are shaped around their data, capacity, workflows, and decision-making needs.

- **Keeping products realistic and decision-ready**

ESA helps partners clarify what EO can and cannot support, so products are useful for decision-making and aligned with project timelines and capacities.

Example: With the Sahara and Sahel Observatory (OSS), ESA is scoping EO products to support rice resilience monitoring and reporting in West Africa through the RICOWAS project (Adaptation Fund).

